

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2000034815
PUBLICATION DATE : 02-02-00

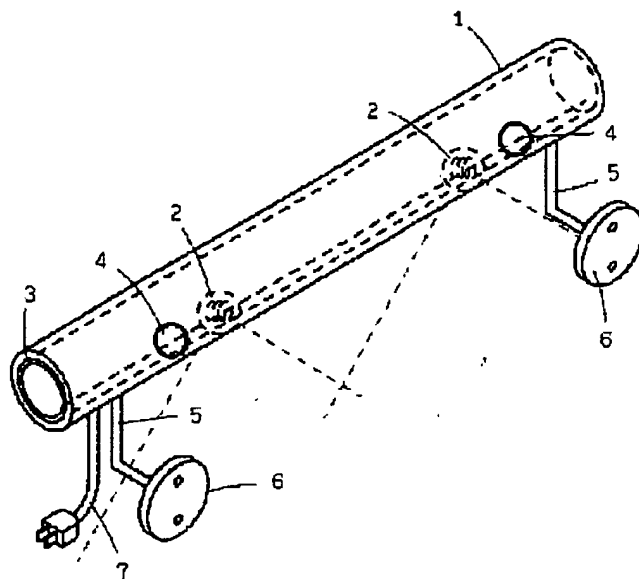
APPLICATION DATE : 16-07-98
APPLICATION NUMBER : 10202015

APPLICANT : SEKISUI CHEM CO LTD;

INVENTOR : UETAKE ATSUSHI;

INT.CL. : E04F 11/18 F21V 33/00

TITLE : HANDRAIL WITH LIGHTING
APPARATUS



ABSTRACT : PROBLEM TO BE SOLVED: To easily distinguish existence of a handrail itself and sufficiently illuminate a passageway by providing a lighting apparatus and a dispersing device of the light emitted by the lighting apparatus in the inside of a transmissive and hollow handrail body and dispersing light toward the upper and longitudinal directions of the handrail through the light-dispersing device.

SOLUTION: A light-dispersing device 3 formed of a cylindrical light- dispersing plate is provided in the inside of a transmissive handrail body 1 made of a translucent polycarbonate hollow cylindrical body having a circular section. The cylindrical light-dispersing plate is made of polymethyl methacrylate, and titanium oxide is printed thereon together with an acrylic resin as a binder resin to scatter light and brighten the whole handrail body 1. A necessary number of lighting apparatuses 2 formed of an orange lamp and attached at every specified distance at the lower inside of the handrail body 1 are connected to a human body sensor 4 comprising an infrared ray sensor. When the human body sensor 4 attached to the nearby position of both ends of the handrail body 1 detects a human body, the lamp is turned on.

COPYRIGHT: (C)2000,JPO